BANG & OLUFSEN

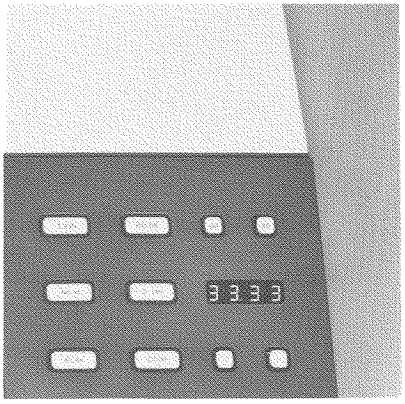
BEOGRAM 8002

HOW TO OPERATE BEOGRAM 8002

Operate 2
Choosing a selection 2
Repetition 2
Record speed 2
Dry-wiping records 4
Centering adaptor 5
Stylus pressure 5

SETTING UP

Transport protection 6
Clearance room 6
Power mains 6
Attaching the pickup 7
Maintenance 7
Technical data 8



Operate
Place a record onto the turntable and press [PLAY].

For special record types, do the following:
17 cm, 33 r/min: press [33] and [PLAY].
30 cm, 45 r/min: press [45] and [PLAY].

Stop
To stop a record before completion, press [STOP].

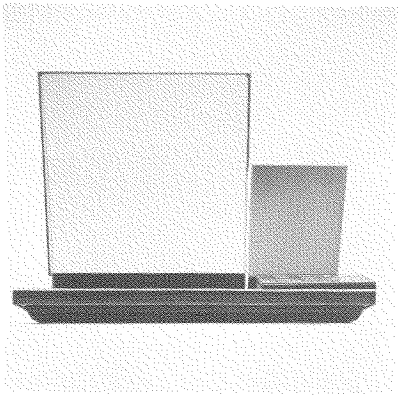
Choosing a recording selection
If you do not wish to hear a record from the very beginning, place the pickup arm at the desired point on the record using the [<< <] or [> >>] pushbuttons.
Let us say you wish to hear the second musical selection on the record:
Press, first, [PLAY], then [<< <] until the desired point is found.
A light pressure on the pushbutton causes a slow scanning movement of the pickup arm; a heavy pressure causes the tone arm to move more rapidly.
When the desired point is found, press [PLAY].

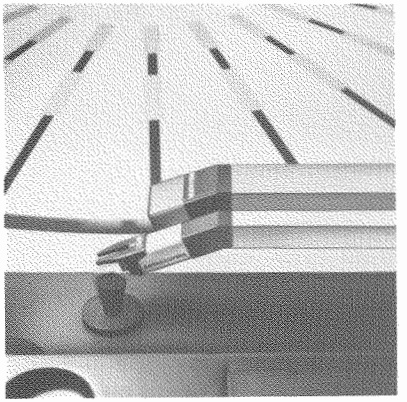
Pause
The pause function enables you to interrupt playback and later resume playback where you left off.
Press [PAUSE]. The tonearm rises and remains in position for 30 minutes.
Resume playback, press [PLAY].
Pressing [PAUSE] twice moves the tonearm off to the right, but the Beogram continues to remember the place for 30 minutes.
To cancel the pause function, press [STOP].

The function is cancelled automatically after 30 minutes without the Beogram being operated, and the display switches off.

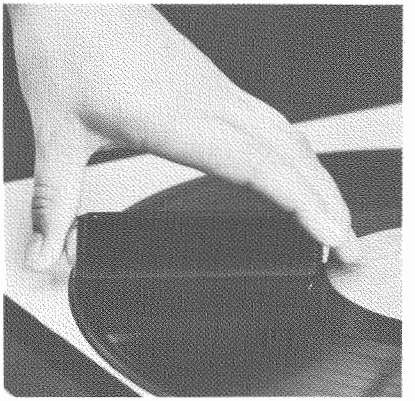
Repetition
The Beogram 8002 can repeat a record automatically from the beginning.
While the record is playing, press [PLAY] the number of times you want it repeated (max. 9).
This number is shown as the last digit on the display, alternating with the speed indication.
To cancel the function, press [STOP].

Record speed
Beogram 8002 automatically selects between 33.33 or 45 revolutions per minute.
Record speed may be fine-adjusted with the [+] and [−] pushbuttons.
Adjustment takes place in small (0.05 r/min) increments for 33.33 records and may be varied up to ±1 r/min: equivalent to ±3%.
The modified speed is automatically annulled during record change, and if the [33] or [45] pushbuttons are pressed.





Automatic stylus cleaning action
Each time the pickup arm moves to and from the stop position, the stylus is wiped against a fixed-emplaced cleaning brush.

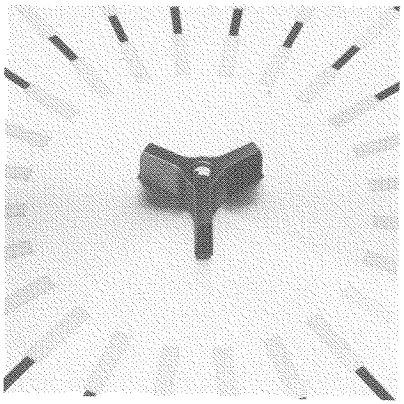


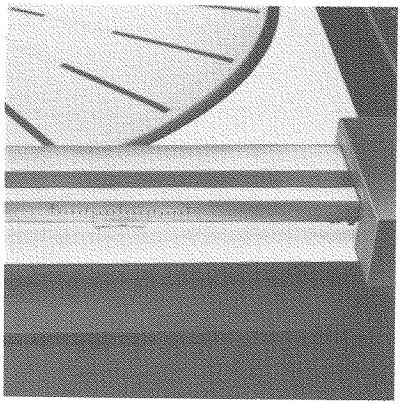
Care of discs
In designing the Beogram every effort has been made to ensure that your records can be played a large number of times with no deterioration of sound quality.

However, there is something you can do yourself; for example, yoy can minimize wear by avoiding dust particles and finger prints on your records.

We assume that you keep your discs in their jackets or albums. It is not immaterial how you take out a disc because the friction against the inner side of the jacket is enough to give the disc a static charge so it will attract dust.

Hold the disc jacket so that its sides bend away from the disc. Put your hand in below the disc so that the middle finger touches the centre hole and the thumb grips the rim of the disc, and withhot touching the grooves of the disc. Pull the disc out of its jacket in such a manner that the jacket only touches the rim of the disc, not the actual surfaces.





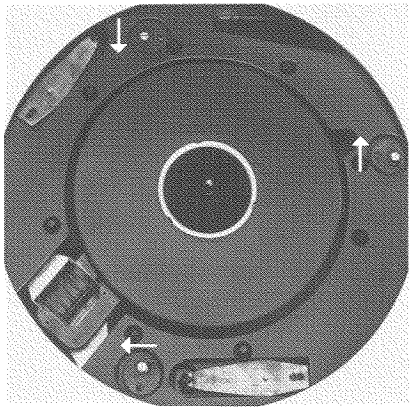
Only hold the rim of the disc when putting it on the turntable.

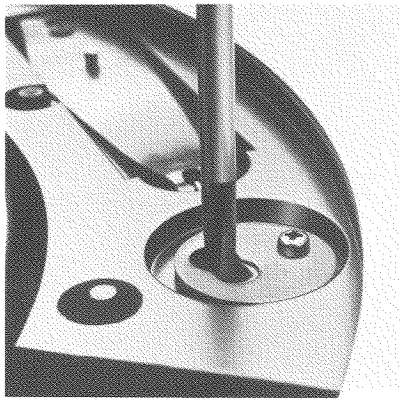
Keep the dust cover of your Beogram closed while playing the disc.
Put the disc back in its jacket in the same careful manner, avoiding friction between the sides of the disc and the jacket. By doing so you help to reduce the need for antistatic wiping of your discs.
Should this become necessary, proceed as follows:

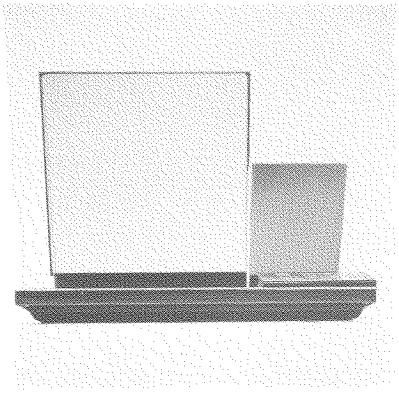
Wiping records
Press TURN; the turntable revolves without causing the pickup arm to coast in.
Now, press STOP or PLAY.

Centering adaptor
For records with large center holes, place the centering adaptor onto the record axle before placing the record.

Stylus pressure
The pickup arm is preadjusted, upon delivery, to the stylus pressure recommended for the MMC 2; i.e. 10 mN or 1 gramme. Adjustment to another stylus pressure is accomplished with the sliderbutton found on the side of the pickup arm.







Setting up
Great efforts is made to protect the record player against damage under transport.
Retain the original packing material for future transport of the record player.

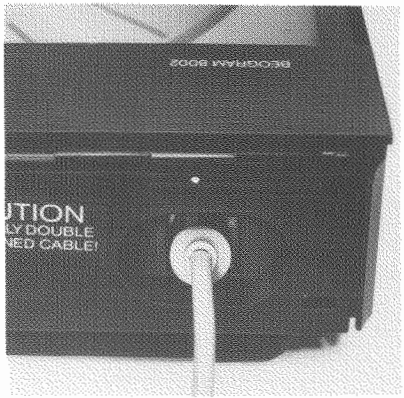
Transport protection
Under transport, the interior chassis is locked-fast with these three securing screws.
Loosen the large screws by rotating counter clockwise, 2–3 times.
Push the securing plate aside so that the screw head can descend through the hole when the screw is rotated clockwise.
Rotate the screw home.

Record turntable
Place the turntable onto the turntable base.

For the UK market
Important
The wires in this mains lead are coloured in accordance with the following code:
Blue: Neutral
Brown: Live
As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.
Ensure that your equipment is connected correctly. If you are in any doubt, consult a qualified electrician.
This set requires a **3 Amp.** fuse in the mains plug.

Clearance room
A minimum free-height clearance of 42 cm is needed to allow full opening of the dust cover. Needed depth clearance is 38 cm; width-dimension is 50 cm.

Power mains
Beogram 8002, type 5635 operates on 220 Volts, 50 Hz and 5636 operates on 240 Volts, 50 Hz.
Alteration for operation on another voltage and another mains frequency can be carried out by your dealer, by changing the transformer and mains connector cord.
This Beogram fulfils the conditions stated in the EEC Directive 76/889 concerning radio frequency interference.



Connection to amplifier or receiver
Beogram 8002 is equipped with a special 7-pin connector socket.
The associated cable, type 6270213, is enclosed.
When using the Beogram 8002 in conjunction with other radio receivers or amplifiers, the two outermost pins must be screwed off.
Turn anti-clockwise with a small screwdriver.
Radio receivers or amplifiers with phono-plugs are connected by means of cable type 6270216, provided as an accessory, upon request.
Grey for left channel.
Black for right channel.
Connect the separate lead to the earth screw on the amplifier.

Attaching the pick-up
The pick-up has a fixed stylus guard which you can tilt up and down with your fingernail. Make sure that it is locked in the up position before playing a record.

MAINTENANCE

Metal surfaces
The chassis deck and turntable can usually be kept clean with a dry cloth.

Be careful not to damage the stylus. Put the stylus guard in place before wiping the metal surfaces clean of dust, and before moving or transporting your record player.
Any grease stains on the metal surfaces can be removed with a soft cloth moistened in a cold or lukewarm solution of detergent in water. Thereafter wipe thoroughly with a dry cloth.

Dust cover
Ajax Window Cleaner is recommended for cleaning the transparent dust cover. **Do not use oil as it may dissolve the material.**

Teak and Rosewood
If the wood surface seem grey and dry you may apply a thin film of teak or rosewood oil, though not more than once or twice a year.

Blond Oak
The removal of dark spots requires aceton. Do not use oil under any circumstances – even non-oil detergent or non-oil wax cause discolouration of the surface.
Should more extensive treatment or repairs become necessary you should leave them to your dealer.

International guarantee
This Bang & Olufsen product carries a guarantee against defects in workmanship and materials.
It is a national guarantee issued by the Bang & Olufsen Distributors for the country in which the product is purchased initially. The terms of this guarantee apply principally to the country of origin but will also be met by any authorised Bang & Olufsen dealer in the other countries in which Bang & Olufsen products are officially marketed.
In order to obtain »guarantee« service whilst in a country other than that in which the product was originally purchased, it is essential to ensure that the original Bang & Olufsen guarantee form, which you may claim issued at the purchase of the product, is completed in full and that your copy is presented to the dealer on request for service.

TECHNICAL DATA	BEOGRAM 8002
Type No.	**5635 (5636)**
Wow and flutter, DIN	<±0.04%
Wow and flutter, WRMS	<±0.02%
Rumble DIN, weighted	>75 dB
Rumble DIN, unweighted	>50 dB
Speeds	33-45 rpm.
Speed deviation	<0.003%
Speed control range	±3%
Tangential tracking	<0.04°
Power supply	220 volts (5636: 240 volts)
Power frequency	50 Hz
Power consumption	15 watts
Dimensions W × H × D	49 × 9 × 37 cm
Weight	9 kg

MMC 2 cartridge	
Recommended tracking force	10 mN/1 gram
Frequency range	20–20.000 Hz ±1.5 dB
Channel separation 1000 Hz	>25 dB
Channel separation 50-15.000 Hz	>20 dB
Channel difference	<1.5 dB
Stylus	Contact line naked diamond
Effective tip mass	0.3 mg
Compliance	30 μm/mN
Sensitivity mV/cm/s RMS	>0.6 mV
Output 5 cm lateral	>2.12 mV

Subject to change without notice

Bang&Olufsen

3505315 12-95 Printed in Denmark by Bogtrykkergården a-s, Struer Type 5635/5636 English